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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/895,880	06/28/2001	Anthony F. Istvan	005217.P053	5380

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EXAMINER
AHMED, FAROOQUE

ART UNIT	PAPER NUMBER
2157	

DATE MAILED: 01/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application N .	Applicant(s)	
	09/895,880	ISTVAN ET AL.	
Office Action Summary	Examiner	Art Unit	
	Farooque Ahmed	2157	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondenc address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *28 May 2001*.

2a)☐ This action is **FINAL**.　　2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-44* is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-44* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All　b)☐ Some * c)☐ None of:

　　　1.☐ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *2/14/2002/2/24/200*

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____ .

DETAILED ACTION

1. The action is response to application filed on 06/28/01. Claims 1-41 are pending.

Claims 1-41 represent INFORMATION ACCESS IN USER MODEL.BASED

INTERACTIVE TELEVISION.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-3,7-9,13-15,30,35,40 are rejected under 35 U.S.C. 102(e) as being

anticipated by Freed et al (US Pat 6,269,473).

4. Yanagawa teaches the invention substantially as claimed including

Network control system and methods where device function are configured and

controlled by user. (See abstract).

As claims 1,7 and 13, Yanagawa teaches a method, a system and a

machine readable medium of controlling access to content in a multimedia

communication network system having a plurality of access devices, the method

comprising:

receiving configuration information related to a user object from a user via an access device of the plurality of access devices, the configuration information defining multimedia content that can be accessed by instantiating the user object in an access device (See col. 17, Lines 1-60 ;col. 18 Lines, 8-55; Yanagawa disclose controller signal process receiving configured data equipment structure information from the 1394 bus, regarding the devices on the transmission line, via controller and device while their function can be commanded by user);

providing the received configuration information to another access device of the plurality of access devices (See col. 18 Lines, 40-45;col. 20 Lines, 30-67; Yanagawa disclose Data process receive from a transmitter / receiver the information about the devices on the transmission line).

As to claims 2,8 and 14, Yanagawa teaches the method, the system and the machine readable medium as recited in claims 1,7 and 13, further comprising receiving revised configuration information related to the user object via an access device of the plurality of access devices and providing the received revised configuration information to all of the access devices of the plurality of access devices. (See col.19, lines 25-35; col 20. lines, 1-46, Yanagawa disclose a plurality of devices in where new device statues added in function list selection for user)

As to claims 3,9 and 15, Yanagawa teaches the method, the system and the machine readable medium as recited in claims 1,7 and 13, further comprising

receiving configuration information related to a plurality of user objects via one or more of the access devices of the plurality of access devices and providing the configuration information to all of the access devices of the plurality of access devices (see col. 18 Lines, 8-55; col.19 lines 20-67 col. 20 1-67; Yanagawa disclose controller signal process receiving configured data equipment structure information from the 1394 bus, regarding the devices on the transmission line, via controller and device while their function can be commanded by user).

As to claims 30,35 and 40, Yanagawa teaches a method, a machine readable medium and a system of providing updated configuration information related to user object of a multimedia communication network system having a plurality of access devices, the configuration information including values for a plurality of configuration parameters, the system including a revision history configured to store identifiers and bit vectors associated with updates to the configuration information related to the user object, the method comprising:

receiving an identifier from an access device of the plurality of access devices (see col. 19 lines 2-35 Yanagawa disclose device is identified with identifiers);

determining an update vector as a function of the received identifier and any identifiers in the revision history that are more recent than the ticket number; and providing the update vector to the access device. (See col.17 lines 1-45, col.19 lines 2-50; Yanagawa disclose a function list with a new device being identified with identifiers).

Claim Rejecti ns - 35 USC § 103

5   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148

USPQ 459 (1966), that are applied for establishing a background for determining

obviousness under 35 U.S.C. 103(a) are summarized as follows:

1.   Determining the scope and contents of the prior art.
2.   Ascertaining the differences between the prior art and the claims at issue.
3.   Resolving the level of ordinary skill in the pertinent art.
4.   Considering objective evidence present in the application indicating
        obviousness or nonobviousness.

6.   Yanagawa teaches the invention substantially as claimed including

Network control system and methods where device function are configured and

controlled by user. (See abstract).

As to claims 4,10 and 16, Yanagawa teaches the method, the system and

the machine-readable medium as recited in claims 1,7 and 13.

Yanagawa fails to teach further comprising assigning a ticket number to

the revised configuration information. However Akatsu disclose further

comprising assigning a ticket number to the revised configuration information

(see abstract). Akatsu disclose update information is identified by Id, see col. 22, and lines 3-55).

Therefore it would have been obvious to a person having ordinary skill in the art at the time of Applicant's invention to modify Yanagawa in the view of Akatsu where multimedia network server system every update information with ID can be assigned.

As to claims 5,11 and 17, Yanagawa teaches the method, the system and the machine readable medium as recited in claims 4,10 and 16, further Yanagawa fails to teach storing the ticket number in a revision history in the multimedia communication network system. However Akatsu teaches storing the ticket number in a revision history in the multimedia communication network system (see abstract) Akatsu disclosed multimedia device network where unique ID identifies the node, and information where these events are maintained is in the IEEE1349 driver. (See col.15- lines, 30-51; col.20 lines 50-67; col. 22, lines 1-55).

Therefore it would have been obvious to a person having ordinary skill in the art at the time of Applicant's invention to modify Yanagawa in the view of Akatsu I where every update events with unique id is stored in a in multimedia network server system.

As to claims 6 and 12, Yanagawa teaches the method and the system as recited in claims 5 and 11.

Yanagawa Fails to teach the revision history is stored in a server of the multimedia communication network system. However Akatsu the revision history is stored in a server of the multimedia communication network system. (See abstract). Akatsu disclosed device and update event address information stored in a central server. (See col. 20, lines 50 -65)

Therefore it would have been obvious to a person having ordinary skill in the art at the time of Applicant's invention to modify Yanagawa in the view of Akatsu by adding a server in network control system where every update events can be stored. One would be motivated to do so to achieve the storing events functionality.

Yanagawa teaches the invention substantially as claimed include Network control system and methods where device function are configured and controlled by user. (See abstract).

As claims 18,22 and 26, Yanagawa teaches a method, a system, and a machine readable medium of providing configuration information related to user object of a multimedia communication network system having a plurality of access devices, the configuration information including values for a plurality of configuration parameters, the method comprising:

receiving a portion of the configuration information related from a user via an access device of the plurality of access devices (see col 20, lines1-67,

Yanagawa disclose network control configuration information received via a controller of user devices);

assigning a ticket number to the received portion of the configuration information (see col 19,lines 2- 67, Yanagawa disclose device is identified with identifier which is stored in a function list.)

storing the ticket number in a revision history; (see col 19,lines 2- 67, Yanagawa disclose device is identified with identifier which is stored in a function list)

providing the ticket number to the access device (see col 19,lines 20- 67, Yanagawa disclosed device supplied with identifier from function list);

Yanagawa fails to teach revision history. However Akatsu teaches revision history (see abstract) Akatsu disclosed a updating event processes in a media network (see col 22 lines 3-58).

Therefore it would have been obvious to a person having ordinary skill in the art at the time of Applicant's invention to modify Yanagawa in the view of Akatsu where multimedia network server system update events with unique id can be achieved.

As to claims 19,23 and 27, Yanagawa teaches the method, the system and the machine-readable medium as recited in claims 18, 22 and 26, including:

setting a bit in a bit vector, the bit vector having a plurality of bits each being associated to a corresponding configuration parameter of the user object', wherein the set bit indicates the configuration parameter associated with the

received configuration information (see col 23 lines 30 -67;col.24, lines 5-45, Yanagawa disclose in CRS device fist two bits are used in a function table for entries, where the function information list displays device information and commands of each function);

    providing the bit vector to the access device (see col.24 lines 6-67, providing a CRS list information is displayed)

    As to claims 20,24 and 28, Yanagawa teaches the method, the system and the machine-readable medium as recited in claims 18, 22 and 26. Yanagawa fails to teach wherein the revision history has a fixed size. However Akatsu teaches wherein the revision history has a fixed size (see abstract) Akatsu disclose sixty-four bits address memory in IEEE1394 and update information in a central server).

    Therefore it would have been obvious to a person having ordinary skill in the art at the time of Applicant's invention to modify Yanagawa in the view of Akatsu where multimedia network server system where every update events with unique id fixed size which can be achieved same functionality in claim.

    As to claims 21,25 and 29, Yanagawa teaches the method, the system and the machine readable medium as recited in claims 18, 22 and 26, further comprising providing the portion of the configuration information to a second access device of the plurality of access devices (see col.24 lines 40-65,

Yanagawa disclosed function list managing portion is selected and displayed to a list of devices).

Yanagawa teaches the invention substantially as claimed include Network control system and methods where device function are configured and controlled by user. (See abstract).

As to claims 30,35 and 40, Yanagawa teaches a method, a machine readable medium and a system of providing updated configuration information related to user object of a multimedia communication network system having a plurality of access devices, the configuration information including values for a plurality of configuration parameters, the system including a revision history configured to store identifiers and bit vectors associated with updates to the configuration information related to the user object, the method comprising:

receiving an identifier from an access device of the plurality of access devices (see col. 19 lines 2-35 Yanagawa disclose device is identified with identifiers);

determining an update vector as a function of the received identifier and any identifiers in the revision history that are more recent than the ticket number; and providing the update vector to the access device. (See col.17 lines 1-45, col.19 lines 2-50; Yanagawa disclose a function list with a new device being identified with identifiers).

As to claims 31,36 and 41, Yanagawa teaches the method, the machine readable medium, and the system as recited in claims 30,35 and 40.

Yanagawa fails to teach further comprising providing a portion of updated configuration information to the access device at the request of the access event, wherein the access generates the request in response to the update vector. However Akatsu teaches a portion of updated configuration information to the access device at the request of the access device, wherein the access generates the request in response to the update vector. (See abstract) Akatsu disclosed Bitmap memory in 1394 bus where upgrade and re-configuration information is stored in home system. (See col7 lines 15-45; col 15. Lines, 30 - 50col 16 lines 39-63).

Therefore it would have been obvious to a person having ordinary skill in the art at the time of Applicant's invention to modify Yanagawa in the view of Akatsu where multimedia network server system where device is configure and it response in memory to update.

As to claims 32,37 and 42, Yanagawa teaches the method, the machine readable medium, and the system as recited in claims 30,35 and 40, further comprising providing to the access device the most recent identifier of the identifiers used in determining the update vector. (See col 17- lines 1-45, col. 24 lines 30-65; 24 lines 6-39; Yanagawa disclosed an ID identifier with the device and indicates their status into CRS).

As to claims 33,38 and 43, Yanagawa teaches the method, the machine readable medium, and the system as recited in claims 30,35 and 40, wherein determining the update vector further comprises generating the update vector as a function of the bit vectors associated with the identifiers that are more recent than the received identifier. (See col 17- lines 1-45 col. 24 lines 30-65; 24 lines 6-39; Yanagawa disclosed address identified with identifier in table memory in respect to CRS).

As to claims 34,39 and 44, Yanagawa teaches the method, the machine readable medium, and the system as recited in claims 33,38 and 43, wherein the function of the bit vectors comprises the Logical-OR of the bit vectors associated with the identifiers that are more recent that the received identifier (See col 17- lines 1-45 col. 24 lines 30-65; 24 lines 6-39; Yanagawa disclosed CRC bits may be identified with identifier).
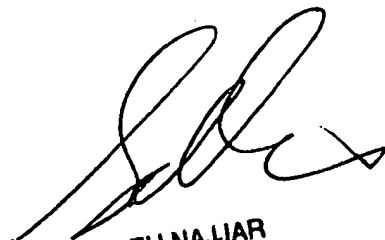
7.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Farooque Ahmed whose telephone number is 703-605-4212. The examiner can normally be reached on M-F 8:30 to 5:00

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (703) 308-7562. The fax

phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Farooque Ahmed/Examiner
Art Unit 2157

SALEH NAJJAR
PRIMARY EXAMINER